

Title (en)
CYTOTOXIC T-LYMPHOCYTE-INDUCING IMMUNOGENS FOR PREVENTION, TREATMENT, AND DIAGNOSIS OF CANCER

Title (de)
ZYTOTOXISCHE T-LYMPHOZYTEN-INDUZIERENDE IMMUNOGENE ZUR PRÄVENTION, BEHANDLUNG UND DIAGNOSE VON KREBS

Title (fr)
IMMUNOGENES INDUCTEURS DE LA PRODUCTION DE LYMPHOCYTES T CYTOTOXIQUES UTILISABLES EN VUE DE LA PREVENTION, DU TRAITEMENT ET DU DIAGNOSTIC DU CANCER

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Abstract (en)
[origin: WO2007150077A2] The present invention relates to compositions and methods for the prevention, treatment, and diagnosis of cancer, especially carcinomas, such as ovarian carcinoma. The invention discloses peptides, polypeptides, and polynucleotides that can be used to stimulate a CTL response against cancer.

IPC 8 full level
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C-Set (source: EP US)
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Citation (search report)
• [X] WO 0246416 A2 20020613 - ARGONEX INC [US]
• [X] RAMAKRISHNA VENKATESH ET AL: "Naturally occurring peptides associated with HLA-A2 in ovarian cancer cell lines identified by mass spectrometry are targets of HLA-A2-restricted cytotoxic T cells", INTERNATIONAL IMMUNOLOGY, OXFORD UNIVERSITY PRESS, GB, vol. 15, no. 6, 1 June 2003 (2003-06-01), pages 751 - 763, XP009103655, ISSN: 0953-8178
• [X] BONDURANT KRISTINA L ET AL: "Definition of an immunogenic region within the ovarian tumor antigen stratum corneum chymotryptic enzyme.", CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH 1 MAY 2005, vol. 11, no. 9, 1 May 2005 (2005-05-01), pages 3446 - 3454, XP009130221, ISSN: 1078-0432
• [X] YOKOKAWA JUNKO ET AL: "Identification of novel human CTL epitopes and their agonist epitopes of mesothelin.", CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH 1 SEP 2005, vol. 11, no. 17, 1 September 2005 (2005-09-01), pages 6342 - 6351, XP009130224, ISSN: 1078-0432
• [X] FISK BRYAN ET AL: "Identification of naturally processed human ovarian peptides recognized by tumor-associated CD8+ cytotoxic T lymphocytes", CANCER RESEARCH, vol. 57, no. 1, 1997, pages 87 - 93, XP009130225, ISSN: 0008-5472
• [X] FISK B ET AL: "Identification of an Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumor-specific Cytotoxic T Lymphocyte Lines", THE JOURNAL OF EXPERIMENTAL MEDICINE, ROCKEFELLER UNIVERSITY PRESS, UNITED STATES, vol. 181, no. 6, 1 June 1995 (1995-06-01), pages 2109 - 2117, XP009030958, ISSN: 0022-1007
• [A] HUYNH KHANH D ET AL: "BCoR, a novel corepressor involved in BCL-6 repression", GENES AND DEVELOPMENT, vol. 14, no. 14, 15 July 2000 (2000-07-15), pages 1810 - 1823, XP009130222, ISSN: 0890-9369
• [A] RAMAKRISHNA V ET AL: "GENERATION AND PHENOTYPIC CHARACTERIZATION OF NEW HUMAN OVARIAN CANCER CELL LINES WITH THE IDENTIFICATION OF ANTIGENS POTENTIALLY RECOGNIZABLE BY HLA-RESTRICTED CYTOTOXIC T CELLS", INTERNATIONAL JOURNAL OF CANCER, JOHN WILEY & SONS, INC, UNITED STATES, SWITZERLAND, GERMANY, vol. 73, no. 1, 26 September 1997 (1997-09-26), pages 143 - 150, XP000892416, ISSN: 0020-7136
• [A] ROSENBERG S A ET AL: "A NEW ERA FOR CANCER IMMUNOTHERAPY BASED ON THE GENES THAT ENCODE CANCER ANTIGENS", IMMUNITY, CELL PRESS, US, vol. 10, no. 3, 1 March 1999 (1999-03-01), pages 281 - 287, XP000918298, ISSN: 1074-7613

Cited by
EP3363456A1; US10933118B2; US11077171B2; US11273200B2; US11298404B2; US11648292B2; US11839643B2; US11883462B2; US11957730B2; US11969455B2; US11975042B2

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